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## NOTICE OF ALLOWANCE AND FEE(S) DUE

20991

7590

12/11/2007

THE DIRECTV GROUP, INC.
PATENT DOCKET ADMINISTRATION
CA / LA1 / A109
P O BOX 956
EL SEGUNDO, CA 90245-0956

EXA	AMINER
AHN	i, sam k
ART UNIT	PAPER NUMBER
2611	

DATE MAILED: 12/11/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/519,322	12/23/2004	Ernest C Chen	PD-202109	9113

TITLE OF INVENTION: IMPROVING HIERARCHICAL 8PSK PERFORMANCE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	03/11/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address: and/or (b) indicating a separate "FEE ADDRESS" for the current correspondence address: and/or (b) indicating a separate "FEE ADDRESS" for the current correspondence address: and/or (b) indicating a separate "FEE ADDRESS" for the current correspondence address: and/or (b) indicating a separate "FEE ADDRESS" for the current correspondence address and the current correspondence address and the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address: and/or (b) indicating a separate "FEE ADDRESS" for the current correspondence address and the

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P O BOX 956	THE DIRECTV GROUP, INC.  PATENT DOCKET ADMINISTRATION  CA / LA J / 109  P O BOX 956  EL SEGUNDO, CA 90245-0956  PILING DATE  FIRST NAMED INVENTOR  APPLICATION NO.  FILING DATE  FIRST NAMED INVENTOR  APPLICATION NO.  FILING DATE  FIRST NAMED INVENTOR  FIRST NAMED INVENTOR  ATTORNEY DOCKET NO.  CONFIRMATION NO.  10/519,322  12/23/2004  Emest C Chen  PD-202109  9113  PD-202109  9113  APPLICATION NO.  FILING DATE  FIRST NAMED INVENTOR  APPLICATION IMPROVING HIERARCHICAL 8PSK PERFORMANCE  (Usual STATE AND AND					
EL SEGUNDO,	CA 90245-0956		-			(Signature)
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5. Change in Entity Sta	atus (from status indicate	d above)		. Laterata e CD A A	LL ENTITY status. See 37	CED 1 27(a)(2)
a. Applicant clain	ns SMALL ENTITY state	us. See 37 CFR 1.27.	b. Applicant is no l	onger claiming SMA	ristered attorney or agent; or	the assignee or other party in
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This collection of informan application. Confider submitting the complete this form and/or sugges Box 1450, Alexandria, Alexandria, Virginia 22	ntiality is governed by 33 ed application form to the tions for reducing this bu Virginia 22313-1450. Do	CFR 1.311. The informati 5 U.S.C. 122 and 37 CFR e USPTO. Time will varurden, should be sent to to O NOT SEND FEES OR	on is required to obtain 1.14. This collection is y depending upon the ine Chief Information Of COMPLETED FORMS	or retain a benefit by estimated to take 12 dividual case. Any c icer, U.S. Patent and TO THIS ADDRES	the public which is to file (a minutes to complete, inclusionments on the amount of 1 Trademark Office, U.S. D.S. SEND TO: Commission	and by the USPTO to process) ding gathering, preparing, and time you require to complete epartment of Commerce, P.O. er for Patents, P.O. Box 1450,

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POBOX 956	N 00245 0056		DATE MAILED: 12/11/200	7

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 537 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 537 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.